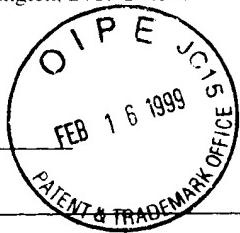


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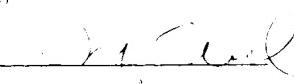
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Eileen M. Ebel
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Scott W. van Arsdell et al.

Group: 1652
Examiner: K. Lau

Serial No. 08/914,332, filed July 14, 1997

For: OVERCOMING DAPA AMINOTRANSFERASE BOTTLENECKS
IN BIOTIN VITAMERS BIOSYNTHESIS

TRANSMITTAL OF POWER OF ATTORNEY

Nutley, New Jersey 07110
February 12, 1999

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Power of Attorney executed by John B. Freeman in the above application.



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A handwritten signature of Eileen M. Ebel.

(Signature)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott W. van Arsdell et al.

Serial No.: 08/914,332

Filed: July 14, 1997

Title: OVERCOMING DAPA AMINO TRANSFERASE BOTTLENECKS
IN BIOTIN VITAMERS BIOSYNTHESIS

Box Patent Application

Assistant Commissioner for Patents
Washington, D.C. 20231

**POWER OF ATTORNEY TO ASSOCIATE ATTORNEYS
AND CHANGE OF CORRESPONDENCE ADDRESS**

The undersigned attorney in the above-identified application hereby appoints:

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Office in connection with the above-identified application.

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Serial No. 08/914, 332

Filed: July 14, 1997

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